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Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2005

 Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$180.00)
**Complete if Known**

|                      |                         |
|----------------------|-------------------------|
| Application Number   | <u>10/890,111</u>       |
| Filing Date          | <u>AUGUST 16, 2001</u>  |
| First Named Inventor | <u>WAYNE G. FLOE</u>    |
| Examiner Name        | <u>HILARY L. GUTMAN</u> |
| Art Unit             | <u>3612</u>             |
| Attorney Docket No.  | <u>10046D</u>           |

**METHOD OF PAYMENT** (check all that apply)
 Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

 Deposit Account Deposit Account Number: \_\_\_\_\_ Deposit Account Name: \_\_\_\_\_

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

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| <input type="checkbox"/> Charge fee(s) indicated below  | <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee |
| <input type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 | <input type="checkbox"/> Credit any overpayments                                  |

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**FEE CALCULATION****1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

| <u>Application Type</u> | <u>FILING FEES</u> |                     | <u>SEARCH FEES</u> |                     | <u>EXAMINATION FEES</u> |                     |                       |
|-------------------------|--------------------|---------------------|--------------------|---------------------|-------------------------|---------------------|-----------------------|
|                         | <u>Fee (\$)</u>    | <u>Small Entity</u> | <u>Fee (\$)</u>    | <u>Small Entity</u> | <u>Fee (\$)</u>         | <u>Small Entity</u> | <u>Fees Paid (\$)</u> |
| Utility                 | 300                | 150                 | 500                | 250                 | 200                     | 100                 | _____                 |
| Design                  | 200                | 100                 | 100                | 50                  | 130                     | 65                  | _____                 |
| Plant                   | 200                | 100                 | 300                | 150                 | 160                     | 80                  | _____                 |
| Reissue                 | 300                | 150                 | 500                | 250                 | 600                     | 300                 | _____                 |
| Provisional             | 200                | 100                 | 0                  | 0                   | 0                       | 0                   | _____                 |

**2. EXCESS CLAIM FEES**Fee Description

Each claim over 20 or, for Reissues, each claim over 20 and more than in the original patent

Small EntityFee (\$) Fee (\$)

50 25

Each independent claim over 3 or, for Reissues, each independent claim more than in the original patent

200 100

Multiple dependent claims

360 180

| <u>Total Claims</u>  | <u>Extra Claims</u>  | <u>Fee (\$)</u> | <u>Fee Paid (\$)</u> | <u>Multiple Dependent Claims</u> |                      |
|----------------------|--|-----------------|----------------------|----------------------------------|----------------------|
|                      | - 20 or HP =   | x               | =                    | <u>Fee (\$)</u>                  | <u>Fee Paid (\$)</u> |
|                      | HP = highest number of total claims paid for, if greater than 20 |                 |                      |                                  |                      |
| <u>Indep. Claims</u> | <u>Extra Claims</u>  | <u>Fee (\$)</u> | <u>Fee Paid (\$)</u> | _____                            | _____                |

|             |   |   |  |
|-------------|---|---|--|
| - 3 or HP = | x | = |  |
|-------------|---|---|--|

HP = highest number of independent claims paid for, if greater than 3

| <u>Total Sheets</u> | <u>Extra Sheets</u> | <u>Number of each additional 50 or fraction thereof</u> | <u>Fee (\$)</u>                | <u>Fee Paid (\$)</u> |
|---------------------|---------------------|---|--------------------------------|----------------------|
|                     | - 100 =             | / 50 =  | (round up to a whole number) x | =                    |

**4. OTHER FEE(S)**

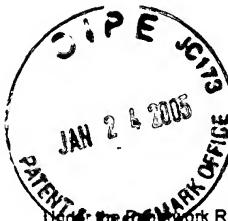
Non-English Specification, \$130 fee (no small entity discount)

Other: INFORMATION DISCLOSURE STATEMENTFees Paid (\$)180.00**SUBMITTED BY**

|                   |                           |  |                                 |
|-------------------|---------------------------|--|---------------------------------|
| Signature         | <u>Charles A. Johnson</u> | Registration No.<br>(Attorney/Agent) <u>20,852</u> | Telephone <u>(651) 635-7702</u> |
| Name (Print/Type) | <u>CHARLES A. JOHNSON</u> |  | Date <u>January 16, 2005</u>    |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments and suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1 of 2

## Complete if Known

|                      |                  |
|----------------------|------------------|
| Application Number   | 10/840,111       |
| Filing Date          | AUGUST 16, 2001  |
| First Named Inventor | WAYNE G. FLOE    |
| Art Unit             | 3612             |
| Examiner Name        | HILARY L. GUTMAN |

Attorney Docket Number

10046D

## U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|---|--------------------------------|--|---|
|                    |                       | US- 5,421,612   | 6-6-1995                       | WAYNE FLOE   |   |
|                    |                       | US- 5,738,379   | 4-14-1998                      | WAYNE FLOE   |   |
|                    |                       | US- 5,775,711   | 7-7-1998                       | WAYNE G. FLOE                                      |   |
|                    |                       | US- 6,068,282   | 5-30-2000                      | WAYNE G. FLOE                                      |   |
|                    |                       | US- 6,164,882   | 12-26-2000                     | JAMES E. SELLE                                     |   |
|                    |                       | US- 6,439,814 B1  | 8-27-2002                      | WAYNE G. FLOE                                      |   |
|                    |                       | US- 6,543,974   | 4-8-2003                       | WAYNE G. FLOE                                      |   |
|                    |                       | US- 1,733,269   | 10-29-1929                     | R.R. MAUK et al.                                   |   |
|                    |                       | US- 2,688,289   | 8-7-1954                       | J.B. STERLING                                      |   |
|                    |                       | US- 2,696,139   | 12-7-1954                      | C.W. ATTWOOD                                       |   |
|                    |                       | US- 2,736,272   | 2-28-1956                      | E.C. ELSNER  |   |
|                    |                       | US- 3,053,355   | 8-11-1962                      | C.W. ATTWOOD                                       |   |
|                    |                       | US- 3,877,671   | 4-15-1975                      | P. UNDERWOOD                                       |   |
|                    |                       | US- 4,161,303   | 7-17-1979                      | P. BACHAND   |   |
|                    |                       | US- 4,248,558   | 2-3-1981                       | E.F. LECHNER                                       |   |
|                    |                       | US- 4,269,340   | 5-26-1981                      | B.C. KOWALSKI                                      |   |
|                    |                       | US- 4,297,963   | 11-3-1981                      | K.I. BEACOM  |   |
|                    |                       | US- 4,450,655   | 5-29-1984                      | M. ROSENTHAL                                       |   |

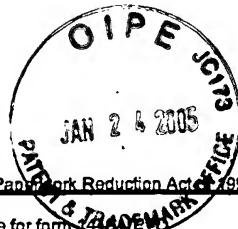
## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|--|--------------------------------|--|---|----------------|
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|                    |                       |  |                                |  |   |                |

Examiner Signature \_\_\_\_\_ Date Considered \_\_\_\_\_

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Sheet

2 of 2

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|                      |                  |
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| Filing Date          | AUGUST 16, 2001  |
| First Named Inventor | WAYNE G. FLOE    |
| Art Unit             | 3612             |
| Examiner Name        | HILARY L. GUTMAN |

Attorney Docket Number

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|--------------------|-----------------------|---|--------------------------------|--|---|
|                    |                       | US-4,575,295  | 3-11-1986                      | H. REBENTISCH                                      |   |
|                    |                       | US-4,717,298  | 1-5-1988                       | J. BOTT  |   |
|                    |                       | US-4,778,092  | 10-18-1988                     | R. GRACE   |   |
|                    |                       | US-4,784,552  | 11-15-1988                     | H. REBENTISCH                                      |   |
|                    |                       | US-4,955,771  | 9-11-1990                      | J. BOTT  |   |
|                    |                       | US-5,154,385  | 10-13-1992                     | V. LINDBERG  |   |
|                    |                       | US-5,178,346  | 1-12-1993                      | M. BEROH   |   |
|                    |                       | US-5,259,711  | 11-9-1993                      | G. BECK  |   |
|                    |                       | US-6,131,866  | 10-17-2000                     | E. KESINGER  |   |
|                    |                       | US-6,616,388 B1   | 9-9-2003                       | WAYNE G. FLOE                                      |   |
|                    |                       | US-   |                                |  |   |

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| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear | T <sup>6</sup> |
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